The code for HW3 is separated into question_1.py、question_2.py and to represent each question in HW3. I have written environment information in requirements.txt.

Question 1

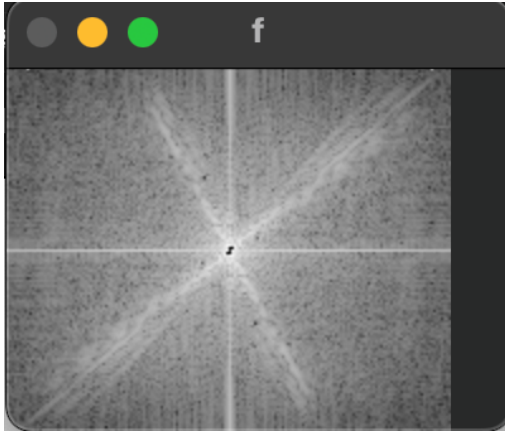Fig1 is "foreman_qcif_0_rgb.bmp" after fourier transform

Fig1. Fourier Transform

Question 2

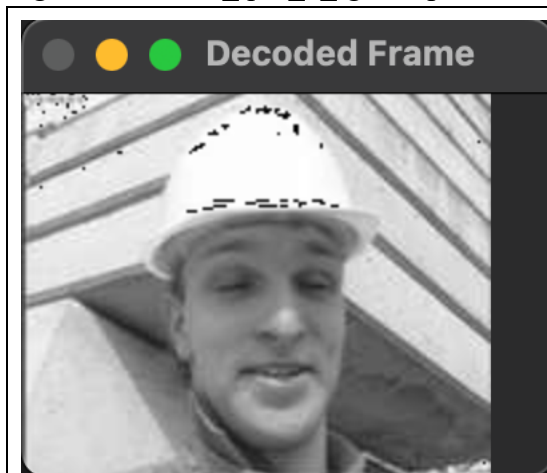Fig2 is "foreman_qcif_0_rgb.bmp" luma channel after inverse quantization and IDCT

Fig.2 decoded Frame